

KD-Validated Anti-CD166 Recombinant Rabbit Monoclonal Antibody



Catalog #: 61405

Aliases

ALCAM; Activated Leukocyte Cell Adhesion Molecule; MEMD; CD166; CD166 Antigen; Activated Leucocyte Cell Adhesion Molecule

Background

Gene Name: ALCAM

NCBI Gene Entry: [214](#)

UniProt Entry: [Q13740](#)

Application Information

Molecular Weight: Predicted, 65 kDa, observed, 100 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB3405

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human CD166

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data

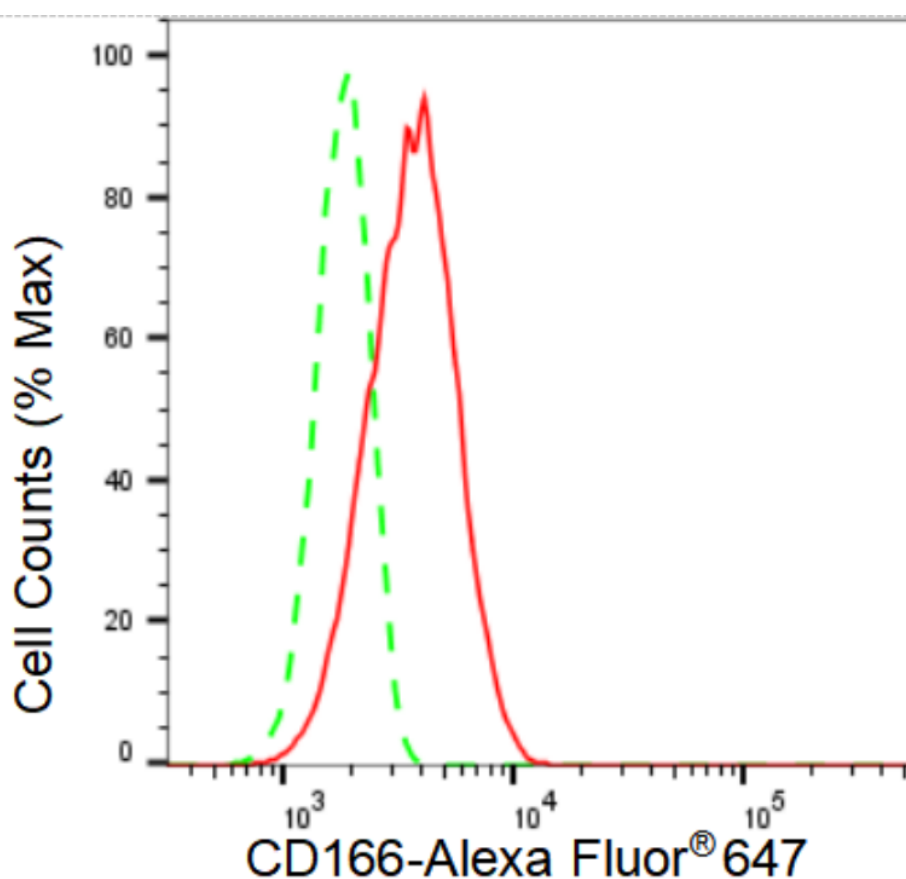
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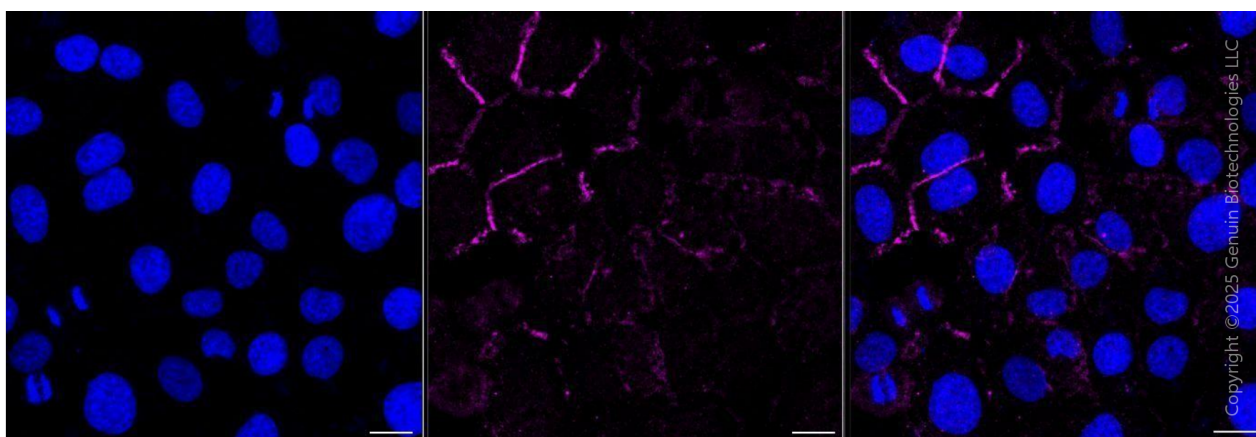
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Flow cytometric analysis of CD166 expression in HT-1080 cells using CD166 antibody (Cat#61405, 1:2,000). Green, isotype control; red, CD166.



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Immunocytochemical staining of HT-1080 cells with anti-CD166 antibody (Cat#61405, 1:1,000). Nuclei were stained blue with DAPI; CD166 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.

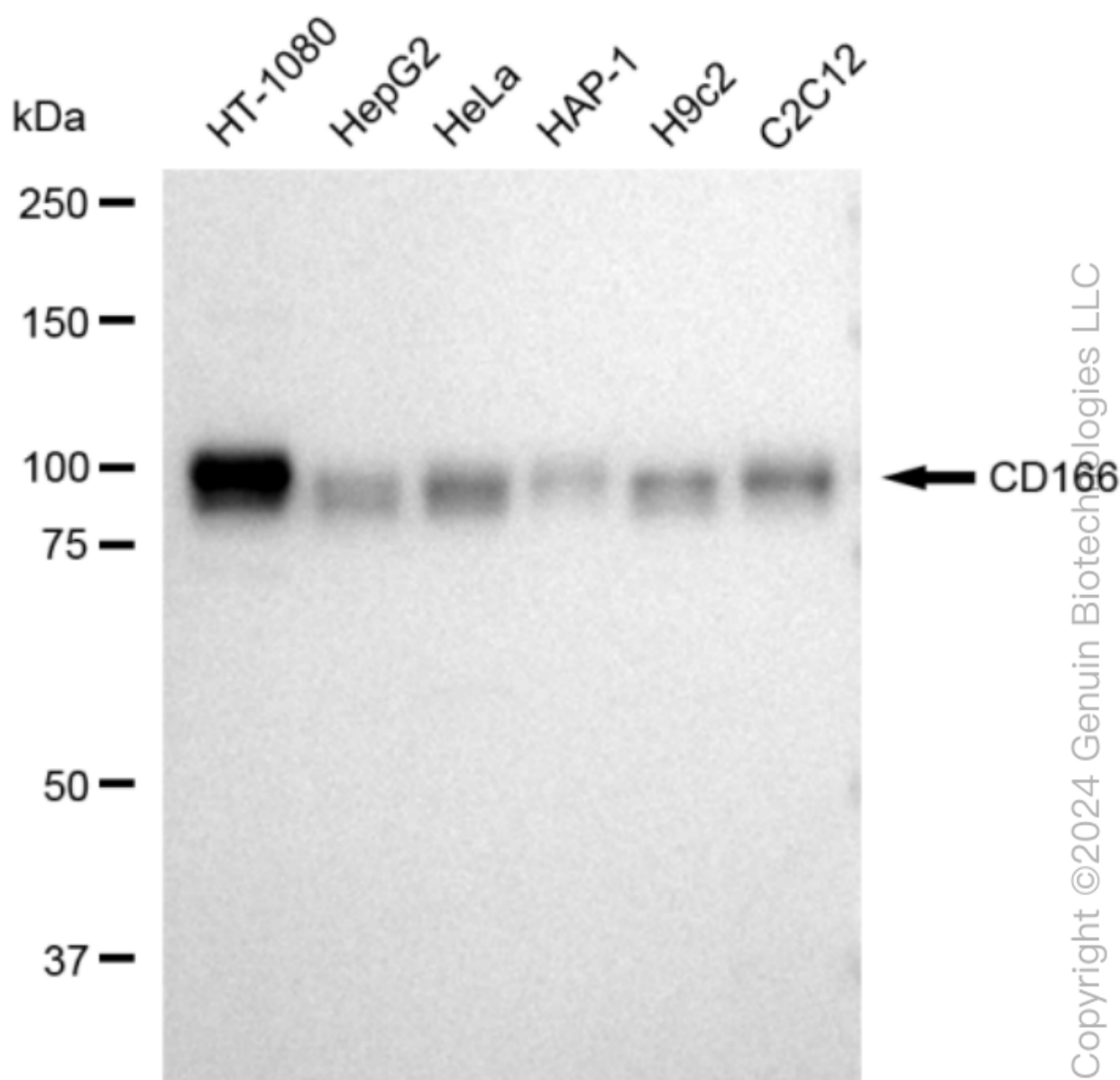
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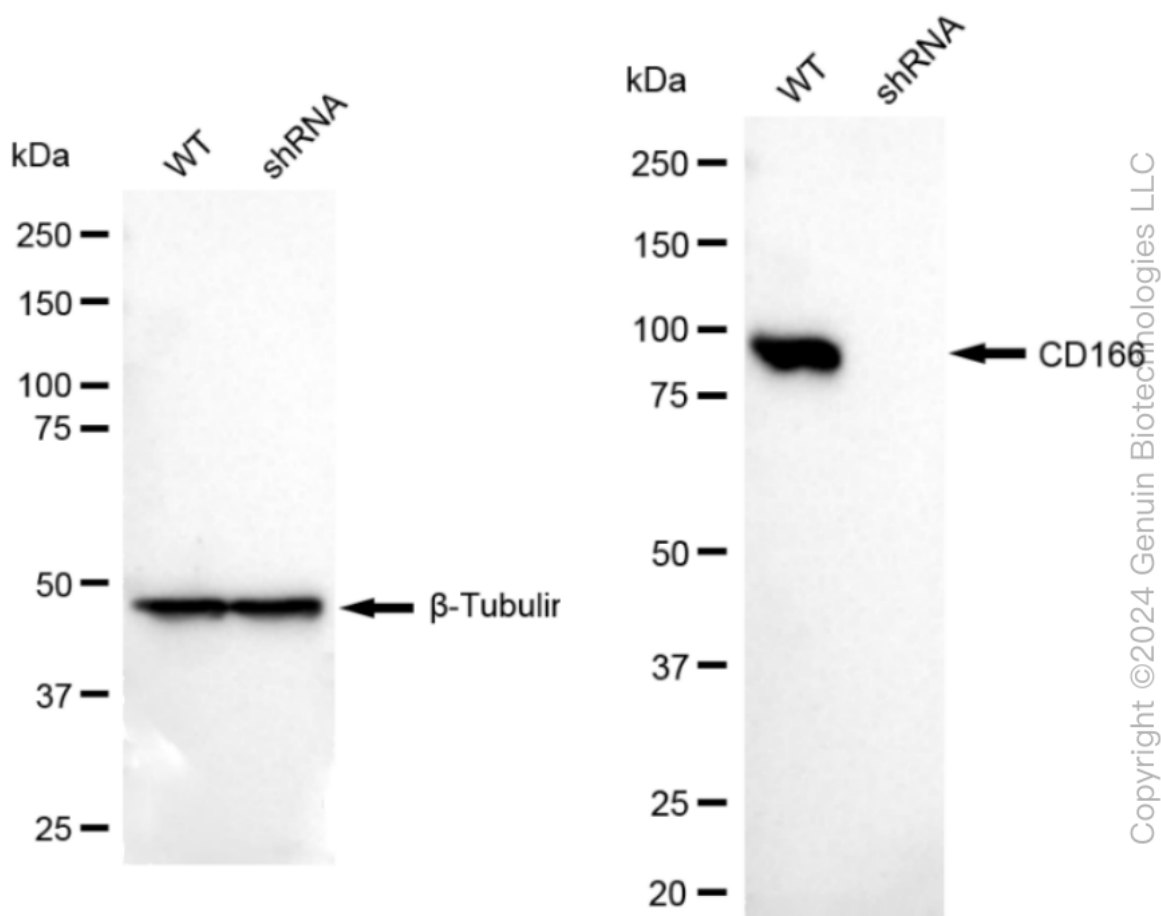
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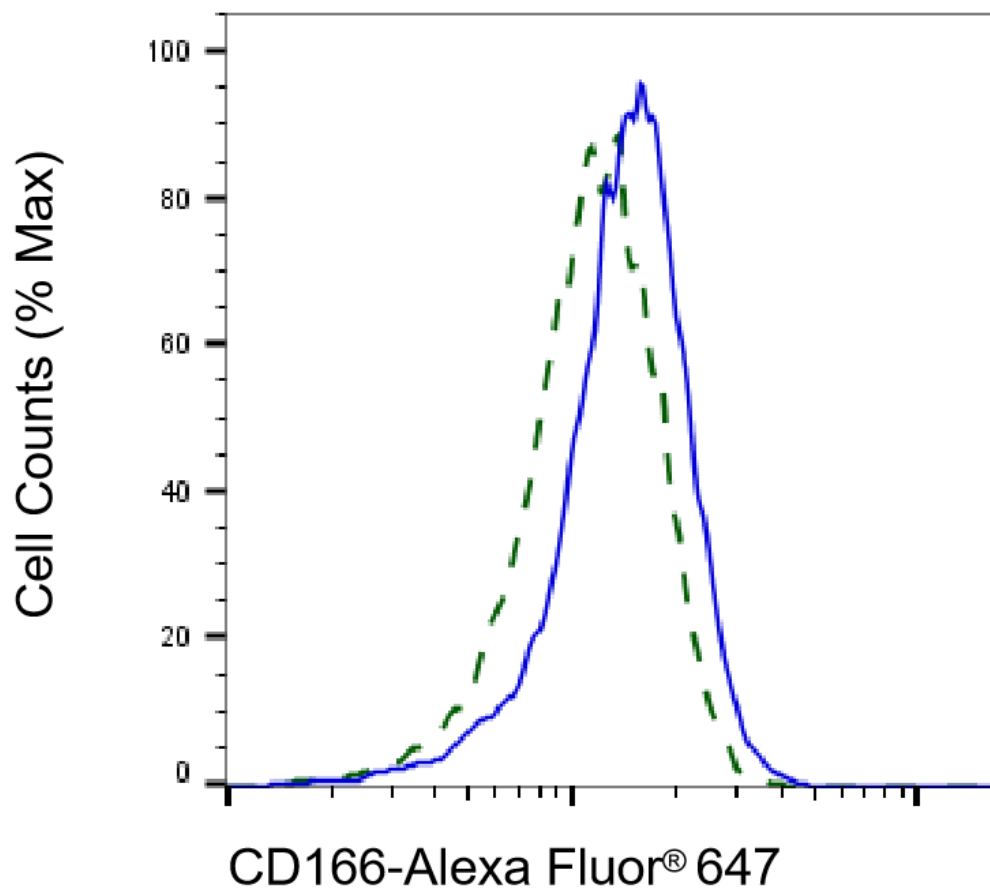
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Western blotting analysis using anti-CD166 antibody (Cat#61405). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD166 antibody (Cat#61405, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-CD166 antibody (Cat#61405). CD166 expression in wild type (WT) and CD166 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-CD166 antibody (Cat#61405, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Validation of CD166 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-CD166 antibody (Cat#61405, 1:2,000) and analyzed using BD flow cytometer.